

PA 174120

USSR/Electronics - Bridges Tuning Indicators

Oct 50

Increasing the Sensitivity of a Bridge With
"6E5 Indicator," V. Zheretlyenko, Kaunas,
Lithuanian SSR

"Radio" No 10, p 30

Shows amateurs how to increase sensitivity of
bridge described in "Radio," No. 2, 1949, by
adding single 6G7 tube and making other minor
changes. Fixed 3,000 ohm resistor connected in
series with standard 14 rd capacity replaced.

174120

USSR/Electronics - Bridges
(Contd)

Oct 50

By sensitivity control (variable 0.5-1.0 meg-
ohm resistor) to make possible measurements
0.1-10 ohm in addn to other scales.

174120

9(2)
7(1)

SOV/107-58-12-51/55

AUTHORS: Zheretiyenko, V. and Petrushchenkov, M. (Saratov)

TITLE: An Instrument for Listening to Sounds (Pribor dlya proslushivaniya shumov)

PERIODICAL: Radio, 1958, Nr 12, p 57 (USSR)

ABSTRACT: The author describes a simple, compact, easily transportable instrument for listening to the sounds produced in bearings or friction parts in machinery, and for studying them. Its main circuit diagram is shown in Fig. 1. A kenotron, constructed according to a full-wave circuit, feeds the anode and screen circuits. The first stage, a voltage rectifier, is based on a 6Zh8 valve (L_1), the second stage on a 6F6S valve (L_2), and a 6Ts5S kenotron (L_3) is used in the rectifier. A microphone transformer, having a battery with a voltage of 1.5 v in its primary winding, is switched into the amplifier output. An output transformer, designed to be connected

Card 1/2

An Instrument for Listening to Sounds

SOV/107-58-12-51/55

to high-resistance telephones and an oscillograph, is switched into the amplifier output in the circuit of the 6F6S anode. The winding data of the parts is given in the table, and the probe is described and illustrated in Fig. 2. There is 1 drawing, 1 circuit diagram and 1 table.

Card 2/2

ZHERETIYENKO, V.

Eliminating hum in "MS-1" electric motors. Radio no.12:62 D '54.
(Electric motors) (MIRA 8:1)

lit. no. 111 L-16, v. 10

AUTHOR: Kovalenko, S.I., Pustovalov, V.V. (1), Zheretiyenko, V.K. (2),
Burlakov, V.S. (3), Drobysko, T.T. (4), Ur'yash, F.V. (5) 32-9-38/43

TITLE: Short Reports (Korotkiye soobshcheniya)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 9, pp.1135-1137 (USSR)

ABSTRACT: re.(1): The authors developed a method for the production of spliced in graphite heaters for high temperature furnaces. On the exterior surface of the working part a spiral was turned out (on a lathe). The tapped part may take up about half of the thickness of the wall of the tube. It is possible to attain a temperature of 2000-2500° at 800-900 A and 13-15 C. There is 1 figure.

re.(2): The author introduced an electron device for the determination of short-circuited windings in transformer spirals. By means of this device it is possible even to detect a short-circuited winding of any diameter. There is 1 figure.

re.(3): The author reports that the "Laborpribor" plant (Klin, district of Moscow) produces devices for the testing of constructional and protective materials in form of large plates in aggressive media. The device is described. There is 1 figure.

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Short Reports

32-9-38/43

re.(4): The author developed the construction of a bench for the cutting of metal by means of a separating disk. The disk has a diameter of 300 mm and a thickness of 3 mm. It is connected with an electromotor (2.8 kW, 2880 revs/min) by means of a cone belt.

re.(5): The author uses a suspension for the ballistic galvanometer. It prevents the influence exercised by exterior impacts upon the mobile system of the apparatus. The suspension is an oscillation system with long dying-out time. There is 1 figure.

ASSOCIATION: All-Union Institute for Refractories (Vsesoyuznyy institut ogneuporov) (1)
Electrotechnical Plant of Saratov (Saratovskiy elektrotekhnicheskiy zavod) (2)
Metallurgical Combine of Kuznetsk (Kuznetskiy metallurgicheskiy kombinat) (4)
Metallurgical Plant of Gor'kiy (Gor'kovskiy metallurgicheskiy zavod) (5)

AVAILABLE: Library of Congress

Card 2/2

L 33506-66

ACC NR: AP6023497

SOURCE CODE: BU/0016/65/000/007/0400/0405

AUTHOR: Pisarev, S.--Pissarev, S. (Professor); Milanov, S.; Marinov, Kh.--Marinov, H.;
Zhorev, S.--Jerev, S.

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B

ORG: Department of Pathological Physiology/headed by Prof. S. Pisarev, Medical
College, Sofia (Katedra po patologichna fiziologiya pri VMI)

TITLE: Experimental studies on etiology and pathogenesis of rheumatoid diseases

SOURCE: Suvremennoe meditsina, no. 7, 1965, 400-405

TOPIC TAGS: pathogenesis, rat, tissue disease, bacteriology, medical research

ABSTRACT: Comparison of 3 models of rheumatic fever including one developed by
authors and involving 3 s.c. injections of 0.2 ml / kg of 24-hour culture of β
hemolytic Streptococcus A over 14 days with induced permanent irritation of pharyngeal
receptors, with submucosal injection of 2% formaldehyde in rats. Based on tabulated
lab data and discussion, this model is considered closest to the clinical type.
Orig. art. has: 3 figures and 1 table. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: 00Jan65 / ORIG REF: 006 / SOV REF: 006

Card 1/1 00

0915

1457

PHYSIOLOGY

BULGARIA

ZHEREV, St., Chair of Pathophysiology (Director, Prof. St. Pisarev),
Advanced Medical Institute, Sofia

"Experimental Study of the Protein Composition of the Myocardium After
Oxygen Insufficiency of the Respiratory Type"

Sofia, Eksperimentalna Meditsina i Morfologiya, Vol 5, No 1, 1966,
pp 9-13

Abstract: The protein composition of the myocardium of cats was studied which had been subjected to mechanical stenosis of the trachea for 1.5 hrs and then killed by asphyxia. An histological examination of the myocardium showed parenchymatous degeneration with fatty infiltration and microhaemorrhages. Investigation of the protein composition by agar electrophoresis indicated a decrease in the content of enzymatically active sarcoplasmic fractions (K_1 , K_2 , l, m, and n) and an increase in the content of the non-enzymatic proteins.

1/2

PISAREV, St.; MILANOV, St.; MARINOV, Khr.; ZHEREV, St.

Experimental studies on the etiology and pathogenesis of rheumatic diseases. Suvr. med. (Sofia) 16 no.7:400-405 '65.

1. Katedra po patologichna fisiologii (rukoveditel - prof. St. Pisarev), Vissz meditsinski institut, Sofia.

BERCHEV, Kr., cand. med. sciences; ZHEREV, St.

A study on some functional and morphologic indices after rat's treatment with myocardial homogenate and streptococcal culture. Nauch. tr. viss. med. inst. Sofiia 43 no.3:75-81 '64.

1. Chair of Pathologic Physiology (Direktor: Prof. St. Pisarev) and Central Cyto- and Histochemical Laboratory (Head: Kr. Berchev, cand. med. sciences).

USSR/General Problems. Methodology. History. Scientific
Institutions and Conferences. Teaching. Problems
of Bibliography and Scientific Documentation A

Abs Jour : Ref Zhur-Khimiya, No 4, 1958, 10235

Author : V. F. Yevstratov, K. D. Bebris, V. L. Biderman,
G. N. Vriyko, L. V. Desidley, A. N. Zherevtsov,
F. I. Yashunskaya,

Inst a: Not given

Title : Development of the Tire Industry in the USSR
in 40 years.

Orig Pub : Kauchuk i rezina, 1957, No 10, 13-26
Bibliography 25-titles

Abstract : No abstract

USSR / Soil Science Tilling. Melioration, Erosion.

J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48679

Author : Zheriker, L.; Vasil'chenko, G.

Title : Not given

Title : On the Effectiveness of Fallowing by Mal'tsev's Method

Orig Pub : S.-kh. Sibiri, 1957, No 9, 28-31

Abstract : This article describes the results of production experiments carried out in Kalmanskiy Rayon of Altay Kray (1955) on the ordinary chernozem with the sowings of spring wheat. Under the conditions of the wet 1956 year, the yield of the spring wheat (a mixture of two varieties - Al'bidum 3700 and Mil'trum 553) was the same on the control and the experimental plots (16 centners/ha.). Considerable drying of the upper

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USSR / Soil Science Tilling. Melioration. Erosion.

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48679 J

layer of the soil was observed with the deep, moldbord-less cultivation of the fallow in the summertime. For the elimination of this phenomenon, it is recommended to carry out the moldbord-less tillage of the soils in the fall of the preceding year with an obligatory rolling of the tilled sections. -- F. N. Sofiyeva

Card 2/2

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COUNTRY : USSR
CATEGORY : Soil Science. Physical and Chemical Properties
of Soil. J
ABS. JOUR. : RZhBiol., No. 4, 1959, No. 15357
AUTHOR : Zherikov, L.D.
INST. :
TITLE : Influence of Soil Texture on Magnitude of
moisture evaporation.
ORIG. PUB. : Zemledeliye, 1958, No. 2, 92
ABSTRACT : no abstract.

Card: 1/1

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ZHURIKER, L.D., kand. sel'skokhozyaystvennykh nauk.

Influence of soil structure on the amount of evaporation. Zemledelie
6 no.2:92 '58.
(MIRA 11:3)

1. Altayskiy sel'skokhozyaystvennyy institut.
(Soil moisture)

ZHERIKHIN, I.P., inzh.

Settled internal short circuits in lap windings of synchronous machines.
Vest. elektroprom. 29 no.9:52-58 S '58. (MIRA 11:10)
(Short circuits) (Electric machinery, Synchronous)

AUTHOR: Zherikhin, I.P. (Engineer) SOV/110-58-9-13/20

TITLE: Steady-state Internal Short-circuits in Lap Windings of Synchronous Machines (Ustanovivshiesya vnutrenniye korotkiye zamykaniya v petlevykh obmotkakh sinkhronnykh mashin)

PERIODICAL: Vestnik Elektro promyshlennosti, 1958, Nr 9, pp 52-58 (USSR)

ABSTRACT: Single-phase short-circuits of groups of coils are first considered. Unipolar groups are defined as groups of a given phase separated from one another by an even number of pole pitches. Different cases of single-phase short-circuits of coil groups are illustrated in Fig 1, indicating that two main cases must be distinguished: when the short-circuited groups are unipolar; and when they are not. In the first case there is no mutual inductance between short-circuited groups; in the second there is a mutual inductance flux that closes through the rotor. Formula (6) is then derived for the short-circuit current and is applicable to all cases of single-phase short-circuit of groups of coils. Short-circuits within a group of coils are then considered. To test the relationship between the inductance and the number of series sections

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Steady-state Internal Short-circuits in Lap Windings of Synchronous
Machines

SOV/110-58-9-13/20

in a coil, the section ends of one of the groups of coils of a synchronous machine were brought out. Alternating-current was supplied to the sections. Curves of the potential distribution within a group of sections in the absence and in the presence of the rotor are given in Figs 2 and 3 respectively. It will be seen from Fig 2 that the relationship for the leakage reactance is not linear. An expression is derived for the short-circuit current according to the number of short-circuited sections and it is pointed out that the accuracy of this expression is less when the number of sections is small. Expressions are then derived for short-circuit currents within a section, but are not well suited to making calculations. This is partly because dead shorts are less common than arcing shorts; for the latter, other methods should be used to calculate the short-circuit current as a function of the number of short-circuited turns. It is, however, of interest to find the number of short-circuited turns at which the short-circuit current is maximum. This leads to a complicated expression. Two-phase short-circuits are then considered; expressions are derived

Card 2/4

Steady-state Internal Short-circuits in Lap Windings of Synchronous
Machines

SOV/110-58-9-13/20

first for symmetrical and then for asymmetrical short-circuits. Tests were made in the electrical machines laboratory of the Elektrosila Works on a synchronous machine type S-165 of 5,000 kVA, 6.3 kV and 6 poles; other design data are given. The ends of coil groups were brought out and short-circuits were made between them, the group markings being as shown in Fig 6. The experimentally determined short circuit characteristics are plotted in Figs 7, 8 and 9. Experimental and calculated values of short-circuit current for a field current of 30 A are given in Table 1. A number of tests were also made in the Electrical Machines Laboratory of the LETI on a synchronous machine of 20 kVA, 220/380 V and 6 poles. Again experimental and calculated values are recorded, in

Card 3/4.

Steady-state Internal Short-circuits in Lap Windings of Synchronous
Machines

SOV/110-58-9-13/20

Table 2. It will be seen that despite considerable differences in the output, dimensions and design of the experimental machines, the calculated values were in both cases in good agreement with test data.

There are 2 tables and 9 figures.

SUBMITTED: November 13, 1957

1. Generators--Design 2. Generators--Circuits 3. Generators--Electrical factors

Card 4/4

ZHERIKHIN, I. P., dotsent; TALYSHINSKIY, I. T., dotsent

Problems in designing the drives for small-scale electrodrills.
Izv. vys. ucheb. zav.; gor. zhur. 5 no.8:126-132 '62.
(MIRA 15:10)

1. Leningradskiy elektrotekhnicheskiy institut imeni V. I.
Ul'yanova (Lenina). Rekomendovana kafedroy elektricheskikh
mashin.

(Boring machinery--Electric driving)

ZHERIKOV, F.F., inzhener.

Mechanizing the mounting of brine pipe fittings. Sudostroenie 23
no.4:48-49 Ap '57.
(Marine pipe fitting) (Refrigeration on ships)
(MLRA 10:5)

ZHRIKOVA, A. D.

ZHRIKOVA, A. D. - "On certain epidemiological and immunological properties of Kruse-Sonne dysentery." Moscow, 1955. First Moscow Order of Lenin Medical Inst. (Dissertations for degree of Candidate of Medical Sciences.)

SC: Knizhnaya letopis', No. 48. 26 November 1955. Moscow.

ZHERIKOVA, A.D.; MASHKOV, A.V.

Reviews and bibliography. Zhur. mikrobiol., epid. i immun.
42 no.11:152-156 N '65. (MIRA 18:12)

BELIKOVA-ALDAKOVA, V.D.; DODONOV, V.N.; ZHERIKOVA, A.D.; ZHOGOVA, M.A.;
KLIMENKO, Ye.P.; LEVTOVA, K.Z.; MITROFANOVA, Ye.B.; PANTELEYEVA, T.B.;
SOLOV'YEVA, N.A.

Results of smallpox vaccination in various age groups. Zhur.
mikrobiol. epid. i immin. 31 no. 10:28-32 O '60. (MIRA 13:12)

1. Iz kafedry epidemiologii I Moskovskogo ordena Lenina
meditsinskogo instituta imeni Sechenova.
(SMALLPOX)

ZHERIKOVA, A.D.

Certain epidemiological characteristics of Kruse-Sonne. Zhur.
mikrobiol.spid. i immun. 28 no.3:20-23 Mr '57. (MIRA 10:6)

1. Iz-kafedry epidemiologii I Moskovskogo ordena Lenina
meditsinskogo instituta imeni I.M.Sechenova.
(DYSENTERY, BACILLARY, epidemiology,
(Rus))

ZHERIKOVA, A.D.; SOLOV'YEVA, N.A.; BELIKOVA-ALDAKOVA, V.D.

Methods of teaching epidemiology at a sanitary-hygiene faculty.
Zhur. mikrobiol., epid. i immun. 40 no.6 1963-67 Je '63.
(MIRA 17:6)

1. Iz I Moskovskogo ordena Lenina Meditsinskogo instituta imeni
I.M. Sechenova.

ZHERIKOVA, A. D.

Immunological characteristics of Kruse-Sonne's dysentery. Zhur. mikrobiol., epid. i immun. 28 no.4:69-73 Ap '57. (MLRA 10:10)

1. Iz kafedry epidemiologii I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(DYSENTERY, BACILLARY, immunol.,
eff. of vacc. on immun. in child. & white mice)

TSURAI, I.; PAPAKHADZHI, E., MAKSIMILIAN, V.; CHOKING-BZNESKU, K.;
SHTEFENESKU, V.; ZHERKAN-ALBU; PETRESKU, K., KUREA, B., ROSHALE, E.

Paralysis of the right half of the diaphragm. Vest. khir. 84 no.5:
26-32 My '60. (MIRA 13:12)
(DIAPHRAGM—DISEASES)

ZHERKO, A.A.

Heat and mass transfer in the drying of ceramic products in a
heated liquid medium. Inzh.-fiz. zhur. 7 no.8:27-30 Ag '64.
(MIRA 17:10)

1. Belorussekiy politekhnicheskiy institut, Minsk.

FROST, Andrey Vladimirovich, prof. [deceased]. Prinimali uchastiye:
BUSHMAKIN, I.N.; VVEDENSKIY, A.A.; GRYAZNOV, V.M.; DEMENT'YEVA,
M.I.; DINTSEV, A.I.; DOBRONRAVOV, R.K.; ZHARKOVA, V.R.; ZHERKO,
A.V.; IPAT'YEV, V.N.; KVIATKOVSKIY, D.A.; KOROBOV, V.V.; MOOR,
V.G.; NEMTSOV, M.S.; RAKOVSKIY, A.V.; REMIZ, Ye.K.; RUDKOVSKIY,
D.M.; RYSAKOV, M.V.; SEREBRYAKOVA, Ye.K.; STEPUKHOVICH, A.D.;
STRIGALEVA, N.V.; TATEVSKIY, V.M.; TILICHEYEV, M.D.; TRIFEL',
A.G.; FROST, O.I.; SHILYAYEVA, L.V.; SHCHEKIN, V.V.; DOLGOPOLOV,
N.M., sostavitel'; GERASIMOV, Ya.I., otv.red.; SMIRNOVA, I.Y., red.;
TOPCHIYEVA, K.V.; YASTREBOV, V.V., red.; KONDRAVKOVA, S.F., red.
izd-va; LAZAREVA, L.V., tekhn.red.

[Selected scientific works] Izbrannye nauchnye trudy. Moskva,
Fzd-vo Mosk.univ., 1960. 512 p. (MIRA 13:5)

1. Chlen-korrespondent AN SSSR (for Gerasimov).
(Chemistry, Physical and theoretical)

ZHERKO, N.V.

RECEIVED AND PROSPECTIVE 10

M

Preparation of formaldehyde by dehydrogenation of methanol. P. Ya. Ivanikov and A. V. Zherko. - *J. Applied Chem. (U.S.S.R.)* 6, 1148-52 (1953). — According to the experiments described, insignificant amounts of HCHO and large quantities of HCO₂ were always obtained when a Cu catalyst (16-18 g.) was used with promoters such as various amounts of Ce (0.02, 0.1 and 0.5%) washed by various methods, dried and reduced, and the MeOH was passed at various velocities through the catalyst heated to 105°, 100° and 225°. The statement of Ghosh and Bakut (C. A. 21, 9349) that "the problem of a catalyst for a continuous dehydrogenation of MeOH to HCHO is solved by using ThO₂ as promoter; . . . still better results are obtained with CeO₂," is questioned. I. and Z. state that the presence of HCHO can be proved only by direct and not by gas analysis. Since HCHO was found only in traces, it is concluded that the above problem has not yet been solved. — A. A. Buchtingk.

A.I.U.-L.A. METALLURGICAL LITERATURE CLASSIFICATION

SUBDIVISION		SUBDIVISION		SUBDIVISION	
140309	72	140309	72	140309	72

ZHERKO, A. V.

CA

The kinetics and mechanism of the decomposition of hydrocarbons. III. Dependence of the velocity of decomposition of normal hexane and normal octane on the profoundness of the reaction. A. I. Ulnits and A. V. Zherko. *J. Gen. Chem. (U. S. S. R.)* 6, 68-74 (1930); cf. *C. A.* 39, 2058^a, 4244^b.—Previous studies were extended to include observations with more profound decomps. of the hydrocarbons. α -Hexane was decomposed at 388° with contact of 20 to 200 sec. (27 to 61% decompn.), n-octane at 370° for 4 to 218 sec. (6.7 to 61% decompn.). Decompr. velocity consts. were calcd. both according to 1st- and 2nd-order equations. Cracking reactions of hydrocarbons cannot be described by the classical equations of chem. kinetics. The velocity const. calcd. for a 1st-order process falls sharply with increase in the percentage of decompn., from 10 to 60. The decrease in reaction velocity with increased profoundness of the decompn. is to be attributed to the retarding action of some of the reaction products. A simple equation is introduced relating this retarding action to the reaction velocity and describing the kinetics of the cracking of hydrocarbons as a chain reaction. The equation $K_t = \ln(1/(1-x)) - \beta x$ accounts well for kinetic data obtained in the cracking

of gas oil (*C. A.* 26, 1700). Qualitative description of the decompn. mechanism.—The idea that the retardation is due to an inactivation of free radicals, formed early in the decompn., by their recombination is rejected. Rather they interact with products of the reaction to form a complex that is not broken up on collision with a new mol. Such a theory accounts better for the dependence of the reaction velocity on the profoundness of the decompn. The original hydrocarbon is decomposed, by heat into radicals by rupture of C-C linkages. This process is unimol. The radicals then decom. into olefins and simpler radicals (Me, Ht). The latter then react with mols. of the original hydrocarbon, detaching H atoms from it, with the formation of the corresponding complex radicals which decom. anew into olefins and simpler radicals. The interaction of radicals with mols. of the original hydrocarbon makes for a rapid increase in reaction velocity at the beginning of the decompn. At the same time the radicals begin to become inactivated by interaction with other reaction products, the accumulation of which is accompanied by a reaction velocity passing through a max. and then gradually falling. The time interval at the beginning, during which the reaction velocity increases, is very short. I. W. Ulnits

ASA-ISA METALLURGICAL LITERATURE CLASSIFICATION

ITEM NUMBER

Volume No. Date

SECTION

CLASSIFICATION

VLASOV, Viktor Grigor'yevich, dotsent, kand.tekhn.nauk; SVECHNIKOV, Vladimir Grigor'yevich, kand.tekhn.nauk; NIKITENKO, Yu.I., dotsent, kand. tekhn.nauk, retsenzent; ZHEPLAKOV, A.V., dotsent, kand.tekhn.nauk, retsenzent; KONSTANTINOV, V.P., inzh., retsenzent, red.; VITASHKINA, S.A., red.izd-va; BOGDROVA, V.A., tekhn.red.; POKHLEBKINA, M.I., tekhn.red.

[Fundamentals of radio engineering and electronic navigation devices] Osnovy radiotekhniki i elektroradionavigatsionnye pribory. Moskva, Izd-vo "Techno transport," 1960. 279 p.

(MIRA 14:3)

(Radio in navigation) (Radio)

BLINOV, Igor' Aleksandrovich, dots., kand. tekhn. nauk; ZHERLAKOV,
Aleksandr Vasil'yevich, dots., kand. tekhn. nauk; IKONNIKOV,
Dmitriy Nikolayevich, dots.; SMIRNOV, Yevgeniy Leonidovich,
dots., kand. tekhn. nauk; YAKUSHENKOV, Andrey Andreyevich,
starshiy nauchnyy sotr., kand. tekhn. nauk; SIGACHEV, N.I.,
dots., kand. tekhn. nauk, retsenzent; RODIONOV, A.I., dots.,
kand. tekhn. nauk, retsenzent; ZOTEEV, Ye.S., kand. fiz.-
mat. nauk, retsenzent; SERKO, G.S., red.; TIKHONOVA, Ye.A.,
tekhn. red.

[Electric navigation instruments] Elektronavigatsionnye pri-
bory. [By] I.A. Blinov i dr. Moskva, Izd-vo "Morskoi trans-
port," 1960. 674 p. (MIRA 15:3)

(Electricity on ships) (Aids to navigation)

ZHERIEV, Yu.V.; KOROLEV, A.Ya.; LEZNOV, N.S.

Effect of various hardening catalysts on the thermal oxidative
degradation of polyorganosiloxanes. Plast.massy no.10:16-19 '64.
(MIRA 17:10)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3

IVANOV, V.; ZHERLITSIN, V.

Fruit of joint work. Prof.-tekh. obr. 22 no. 416-18 Ap '65.

(MIRA 18:5)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3"

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R002064720007-3

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R002064720007-3"

ZHERMUNDISKIY, A.; GAVRONSKIY, A., Inzhener.

Energy from subterranean depths. Tekh.mol. 22 no.10:8-10 0 '54.
(MLRA 7:11)

1. Chlen-korrespondent Akademii nauk BSSR (for Zhermundskiy)
(Geysers)

L 38471-66 EWT(d)/EWT(m)/EWP(w)/T/EWP(k)/EWP(t)/ETI IJP(c) EM/WB/JD/HW
ACC NR: AP6019501 SOURCE CODE: UR/0129/66/000/006/0016/0018

AUTHOR: Timofeyeva, Z. A.; Zhermunkaya, L. .

56
55
B

ORG: "Vibrator" Plant (Zavod "Vibrator")

TITLE: The effect of surface oxidation on the elastic fatigue of
microstrips of different alloys

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 6, 1966,
16-18

TOPIC TAGS: metal oxidation, elastic stress, METAL SURFACE, WIRE

ABSTRACT: The article reports the results of a study of the reverse
elastic fatigue in twisting in the elastic deformation region as a
function of the state of the surface of the starting wire and the
industrial treatment methods for microstrips made of different materials:
bronze Br. Mg 0.81 (TsTU 9560), tinned bronze Br. OTs 4-3 (GOST 5017-49),
alloy K10NKhMV (GOST 9444-60), and molybdenum alloy MR47-VP
(VYUTsMTU/IMET Nos. 10-64). Microstrips with various cross sections and
various ratios of width to thickness within the limits of 9-11 were
prepared by drawing and rolling wire. Heat treatment of the microstrips
was carried out in a vacuum of approximately 10^{-2} mm Hg and in air.

Card 1/2

UDC: 62-48:542.943

L 38471-66

ACC NR: AP6019501

After the heat treatment, part of the strip was held for 8 hours at 80°C in a corrosive medium--the vapors of a solution of NaCl in water. The tests for elastic fatigue were made in an apparatus with a light indicator; the samples were held in a state of torsion for 2 hours. An extensive table, based on the experimental data, shows the fatigue of microstrips made of the different alloys. It was found, on the whole, that in microstrips of the different alloys investigated, holding in a corrosive medium did not change the elastic fatigue. Orig. art. has:

q/v

SUB CODE: 11 / SUBM DATE: none/ ORIG REF: 001/ OTH REF: 003

pb
Card 2/2

MISHKEVICH, Nakhil' Iosifovna, kand. tekhn.nauk; ZHERLINSKAYA, L.B.,
inzh., red.; GRIGOR'YEVA, I.S., red.izd-vn; BELOGUROVA, I.A.,
tekhn. red.

[High temperature oxidation of permalloy in air] Termovozdush-
noe oksidirovaniye permalloia. Leningrad, 1962. 26 p. (Le-
ningradskii dom nauchno-tekhnicheskoi propagandy. Obmen pere-
dovym opytom. Seriya: Metallovedenie i termicheskaya obrabot-
ka, no.4)

(MIRA 15:10)

(Permalloy...Electric properties) (Oxidation)

ZHERMUNSKAYA, L.B.

Structural changes in the zones of wear of cutting edges in high-speed steel. Metalloved. i term. obr. met. no.9:14-18 S '63.

1. Leningradskiy dom nauchno-tehnicheskoy propagandy. (MTRA 16:10)

KON'KOV, Aleksey Mikhaylovich; ZHERMUNSKAYA, L.B., inzh., red.;
FREGER, D.P., red.izd-va; BOL'SHAKOV, V.A., tekhn. red.

[Automatic program control of heat-treatment processes] Pro-
grammnoe avtomaticheskoe upravlenie rezhimami termoobrabotki.
Leningrad, 1961. 11 p. (Leningradskii dom nauchno-
tekhnicheskoi propagandy. Obmen peredovym opyтом. Seriya:
Metallovedenie i termicheskaiia obrabotka, no.9) (MIRA 16:2)
(Automatic control) (Electric furnaces)

ZHUKOVA, Vera Nikolayevna, inzh.; KHINSKIY, Pavel Davidovich, kand.
tekhn. nauk; ZHERMUNSKAYA, L.B., inzh., red.; VASIL'YEV,
Yu.A., red. izd-vy; BELOGUROVA, I.A., tekhn. red.

[Relaxation resistance of pearlitic structural steel for
fasteners; practices of the Kirov Plant in Leningrad] Re-
laksatsionnaia stoikost' konstruktionsykh stalei perlitnogo
klassa dlia krepezhnykh detalei; opyt Leningradskogo Kirov-
skogo zavoda. Leningrad, 1962. 29 p. (Leningradskii dom
nauchno-tekhnicheskoi propagandy. Obmen peredovym opyтом.
Serija: Metallovedenie i termicheskaya obrabotka, no.3)

(MJRA 15:9)

(Steel, Structural—Testing) (Strains and stresses)

NACHINKOV, Aleksandr Dmitriyevich, inzh.; ZHERMUNSKAYA, L.B., inzh.; red.;
BLOGUROVA, I.A., tekhn. red.

[Nitriding of titanium and its alloys] Azotirovanie titana i
ego splavov. Leningrad, 1960. 19 p. (Obshchestvo po raspro-
straneniu politicheskikh i nauchnykh znanii RSFSR. Seriya:
Metallovedenie i termicheskaya obrabotka, no.3)

(Titanium--Hardening) (Case hardening) (MIRA 14:5)

RUBANOVICH, Yakov Grigor'yevich, inzh.; SHATS, Iosif Semoylovich, inzh.;
ZHERMUNSKAYA, L.B., inzh., red.; FREGER, D.P., red. izd-va;
BOL'SHAKOV, V.A., tekhn. red.

[Increasing the strength and wear resistance of machine parts; experience of the "Pneumatic" Factory in Leningrad] Povyshenie prochnosti i iznosostoinosti detalei mashin; opyt leningradskogo zavoda "Pnevmatika." Leningrad, 1962. 20 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym optyom. Seriya: Metallovedenie i termicheskaya obrabotka, no.1). (MIRA 15:3) (Machinery—Maintenance and repair)

IVANOV, Konstantin Nikolayevich; SHAKHOV, Mikhail Alekseyevich; ZHERMIN-SKAYA, L.B., inzh., red.; SHILLING, V.A., red. izd-va; GVIERTS, V.L., tekhn. red.

[New high-strength structural steel 36KhNIMFA with low nickel content]
Novaia vysokoprochnaia konstruktsionnaia stal' 36KhNIMFA s nizkim
soderzhaniem nikelia. Leningrad, 1961. 17 p. (Leningradskii Dom
nauchno-tehnicheskoi propagandy. Obmen peredovym opyтом. Seriya:
Metallovedenie i termicheskaya obrabotka, no.4) (MIRA 14:7)
(Steel, Structural)

PARSHIN, Anatoliy Maksimovich, inzh.; ZHIRMUNSKAYA, L.B., inzh., red.;
FROGNER, D.P., red.izd-va; OVIRTS, V.L., tekhn.red.

[Ways of preventing brittle failure in IKh18N9T steel products
during heat treatment under stress] Puti utranneniia khrupkogo
razrusheniia izdelii iz stali IKh18N9T pri termicheskoi obra-
botke v napriashennom sostoyaniii. Leningrad, 1961. 27 p.
(Leningradskii Dom nauchno-tehnicheskoi propagandy. Omen
peredovym opytom. Seriya: Metallovedenie i termicheskaiia
obrabotka, no.8).

(Steel alloys--Brittleness)
(Metals, Effect of temperature on) (MIRA 14:12)

GALKIN, Mikhail Fedorovich; SOLOMIN, Anatoliy Nikolayevich; SANDOMIRSKIY,
Mark Moiseyevich; SHAKHOV, Mikhail Alekseyevich; ZHERMUNSKAYA,
L.B., Inzh., red.; FREGER, D.P., red.izd-va; BELOGUROVA, I.A.,
tekhn. red.

[Nickel-free 5KhGV steel for forging dies] Bezniikelevaia stal'
5KhGV dlia shtampov pri goriachei shtampovke. Leningrad, 1961.
14 p. (Leningradskii Dom nauchno-tehnicheskoi propagandy. Obmen
peredovym opytom. Seriya: Metallovedenie i termicheskaiia ob-
rabotka, no.7) (Steel alloys—Testing) (Dies (Metalworking)) (MIRA 14:12)

GIDON, Yevgeniy Davidovich, kand. tekhn.nark; ALISANOVA, Zoya Ivanovna, inzh.;
ZHERMUNSKAYA, L.B., inzh., red.; BELOGUROVA, I.A., tekhn. red.

[New 30 KhRA high-strength structural steel] Novaia vysokoprochnaia
konstruktsionnaia stal' marki 30KhRA. Leningrad, 1961. 17 p. (Lenin-
gradskii Dom nauchno-tehnicheskoi propagandy. Obmen perevodym opyтом.
Serija: Metallovedenie i termicheskaiia obrabotka, no.1) (MIRA 14:7)
(Steel, Structural)

BALTER, Mariya Aronovna, kand. tekhn. nauk; MUZHIKOVA, Vera Ivanovna,
inzh.; ZHEGMUNSKAYA, L.B., inzh., red.

[Bright annealing of steel articles in hot alkaline media]
Svetlaia zakal'ka stal'nykh izdelii v goriachikh shchelochnykh
sredakh. Leningrad, 1961. 20 p. (Leningradskii Dom nauchno-
tekhnicheskoi propagandy. Obmen peredovym opyтом. Seriya: Me-
tallovedenie i termicheskaya obrabotka, no.37) (MIRA 14:7)
(Steel—Hardening)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3

TIMOFEYEVА, Z.A.; ZHERMUNSKAYA, L.B.

Studying the strength and elasticity properties of a BrB2
beryllium bronze microtape. Metalloved. 1 term. obr. met.
no.3:33-36 Mr '65.

(MIRA 18:10)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3"

ZHERMUNSKIY, B., kand.tekhn.nauk, dotsent

Analysis of the torsion of gantry crane boom elements with stayed extension pieces. Mor. flot 21 no.5:10-11 My '61. (MIRA 14:5)

1. Khar'kovskiy politekhnicheskiy institut im. V.I.Lenina.
(Cranes, derricks, etc.)

ZHERMUNSKIY, Br, kand.tekhn.nauk

Let's increase the output of gantry cranes. Rech. transp. 20
no. 1:14-16 Ja '61. (Cranes, derricks, etc.) (MIRA 1412)

ZHERMUNSKIY, B., kand.tekhn.nauk, dotsent

Force influence on gantry crane boom elements. Mor. flot 22 no.7:9-12
Jl '62. (MIRA 15:7)

1. Khar'kovskiy pol'tekhnicheskiy institut imeni Lenina.
(Cranes, derricks, etc.)

ZHERMUNSKIY, B., kand.tekhn.nauk

Modernization of "Applevarsh" crane jibs. Rech.transp. 21 no.7:20
21 '62. (MIRA 15:8)
(Cranes, derricks, etc.--Testing)

ZHERMUNSKIY, B., kand.tekhn.nauk; MARAKIN, N., inzh.; CHEKULAYEV, Ye., inzh.

Use of high-moment hydraulic drive for the turning mechanism of
gantry crane upper structures. Rech. transp. 20 no.12:10-13 D
'61.

(MIRA 14:12)

(Cranes, derricks, etc.—Hydraulic drive)

ZHERMUNSKIY, B.I., kand.tekhn.nauk, dotsent

Effective connecting-rod curves for gantry crane jibs. Vest.
mashinostr. 43 no.9:24-26 S '63. (MIRA 16:10)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3

ZHERMUNSKY, B.I., kand.tekhn.nauk, dotsent

Balancing of the mobile upper structure of cranes. Vest.mash.
42 no.1:31-34 Ja '62. (MIRA 15:1)
(Cranes, derricks, etc.)
(Balancing of machinery)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3"

ZHERMUNSKIY, B.I., kandidat tekhnicheskikh nauk; PROSHIN, A.S., inzhener.

Using new types of semigantry cranes in building electric power
plants. Mekh. trud. rab. 11 no.2:32-34 p '57. (MIRA 10:5)

1. Donbass energomontazh.
(Hydroelectric power station) (Cranes, derricks, etc.)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3

ZHERMUNSKIY, B.I.

Determining the angle of deflection for the load of a gantry crane.
Trudy KPI. Ser.mash. 19 no.5:109-123 '59. (MIRA 14:9)
(Cranes, derricks, etc---Testing)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3"

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3

ZHERMUNSKIY, B.I., kand.tehn.nauk

Investigating dynamic phenomena in the upper structure of gantry
cranes. Sbor. VNIIPTMASH no.24:23-53 '59. (MIRA 13:11)
(Cranes, derricks, etc.)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3"

ZHERMUNSKIY, B.I., kand.tekhn.nauk; PROSHIN, A.S., insh.

Braking conditions of carriage cranes used for assembling. Elek.sta. 28
no.12:64 D '57. (MIRA 12:3)
(Cranes, derricks, etc.)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3

ZHERMINSKY, B.I., kandidat tekhnicheskikh nauk; PROSHIN, A.S., inzhener.

New method of erecting L-shaped cranes. Elek.sta. 28 no.1:69
Ja '57. (MIRA 10:3)
(Cranes, derricks, etc)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3"

1. ZHERMUNSKIY, B. I.: MOGILEVSKIY, I. I.
2. USSR (600)
4. Cranes, Derricks, Etc.
7. Universal, Γ - shaped installation crane with a hoisting capacity of 25 tons.
Elek.sta., 23, no. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

IVANCHENKO, F.K.; ZHERNACHUK, V.D.

Experimental investigation of dynamic loads in the drive of a
1150 mm. blooming mill manipulator. Izv. vys. ucheb. zav.; chern.
met. 6 no.6:200-203 '63. (MIRA 16:8)

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz.
(Rolling mills—Equipment and supplies) (Electric driving)

IVANCHENKO, F. K.; PAVLENKO, B. A.; ZHERNACHUK, V. D.; ALPEYEV, V. G.

Experimental investigation of pressures applied by sliding
saws during the cutting of heated metal. Izv. vys. ucheb.
zav.; chern. met. 7 no.6:207-212 '64. (MIRA 17:7)

1. Dneprodzerzhinskiy zavod-vtuz.

GREBENIK, V.M.; ZHERNACHUK, V.D.; IVANCHENKO, F.K.; PAVLENKO, B.A.

Investigating the turning mechanism of a 1300-ton mixer. Izv.
vys. ucheb. zav.; chern. met. 6 no.7:183-190 '63. (MIRA 16:9)

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz.
(Mixing machinery--Electric driving)

ZHERNACHUK, V.D.; IVANCHENKO, F.K.

Experimental investigation of the magnitude of the tilting moment of a converter depending on the degree of the burning out of the lining. Izv. vys. ucheb. zav.; chern. met. 8 no.1: 174-184 '65 (MIRA 18:1)

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz.

ZHERNACHUK, V.D.

Selecting the optimum position of the rotation axis of a converter.
Izv.vys.ucheb.zav.; chern.met. 8 no.6:188-190 '65.

(MIRA 18:8)

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz.

IVANCHENKO, F.K.; ZHERNACHUK, V.D.; MIRONOV, A.F.

Natural oscillation in the turn mechanism of a converter. Izv.
vys.ucheb.zav.; chern. met. 8 no.4:216-219 '65.

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz. (MIRA 18:4)

GREBENIK, V.M.; ZHERNACHUK, V.D.; IVANCHENKO, F.K.; PAVLENKO, B.A.

Experimental investigation of converter tilting moments.
Izv. vys., ucheb. zav.; chern. met. 6 no.2:165-175 '63.

(MIRA 16:3)

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz.
(Converters—Models)

IVANCHENKO, F.K.; ZHERNACHUK, V.D.

Dynamic loading in the tilt mechanism of a converter. Izv. vys.
ucheb. zav.; chern. met. 8 no.5:194-199 '65.

(MIRA 18:5)

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz.

ZHERNAKOV, D.I., inzh.

Experience in operating two consolidated electric power plants.
Elek.sta. 33 no.11+86 N '62. (MIRA 15:12)
(Interconnected electric utility systems)
(Electric power plants)

SOV/3-59-5-8/34

22(1)

AUTHORS: Zhernakov, M., and Tugashev, Z., Students

TITLE: Our Readers Suggest

PERIODICAL: Vestnik vysshey shkoly, 1959, Nr 5, p 30 (USSR)

ABSTRACT: The new curriculum provides that the students of the Kemerovo Mining Institute will attend one year of practical training after the 3rd or 4th course. In the authors' opinion, it will be difficult to realize the plan in practice. The year of practical training will, moreover, cause a great interruption in the theoretical instruction and reduce considerably the quality of the educational work. They suggest that the 3rd course should be followed by 6 months practical training courses and one semester of theoretical training in 3 alternate turns. During the practical training the students would be able to work independently on some theoretical subjects and it would

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SOV/3-59-5-8/34

Our Readers Suggest

not be necessary to increase the term of training
to 6 years.

ASSOCIATION: Kemerovskiy gornyy institut (Kemerovo Mining Institute).

Card 2/2

1. ZHERNAKOV, N. K.
2. USSR (600)
4. Sturgeons--Northern Dvina River
7. Reserves of Northern Dvina sterlet, Ryb. khoz., 29, No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

ZHERNAKOV, P.I.; AVVAKUMOV, V.A.; PRONICHEVA, M.V.

Practice in using materials of aerophotography for the study
of local structures in the Aktyubinsk area of the Ural Mountain
region. Trudy VNIGNI no.34:132-135 '61. (MIRA 15:7)
(Aktyubinsk Province--Geology, Structural)
(Aeronautics in geology)

PRONICHEVA, M.V.; ZHERNAKOV, P.I.

Using aerial methods and geomorphological investigations in
the study of the tectonic structure of the western Mugodzhar Hills
region in connection with its oil and gas potential. Neftegas.
geol. i geofiz. no.7:26-31 '64. (MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
neftyanoy institut.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3

PRONICHEVA, M.V.; ZHERNAKOV, P.I.

Possibilities for determining geologic structure from
geomorphological data. Trudy VNIGNI no.40:146-156 '64.

(MIRA 17:6)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3"

ZHERNAKOV, Yu. I., inzh.

Structure of the outlay and labor productivity in high level caving
at the Krasnogvardeskiy Mine. Izv. vys. ucheb. zav. gor. zhur. no.8:
39-44 '60. (MIRA 13:9)

1. Sverdlovskiy gornyy institut im. V.V. Vakhrusheva. Rekomendovana
kafedroy ekonomiki i organizatsii proizvodstva.
(Ural Mountains—Mining engineering)

DEMEN'T'YEV, I.V., inzh.; ZHERNAKOV, Yu.I., inzh.; NIKOLIN, V.I., inzh.;
KOROLEV, A.N., inzh. [deceased]; TUMAKOV, V.A., inzh.

Using sublevel caving systems in pillar extraction. Besop. truda v
prom. 2 no.3:13-14 Mr '58.
(MIRA 11:3)

1. Institut UNIPROMED'.
(Copper mines and mining)

ZHERNAKOVA, T. V.

"Prothrombin in the Blood During Diphtheria in Children." Cand Med Sci,
Leningrad Inst of the Advanced Training of Physicians; State Sci-Res Pediatrics
Inst, Leningrad, 1954. (RZhBiol, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

ZHERNAKOVA, T.V.; STRELOV, P.I.

Copper content of the blood serum in Botkin's disease. Sov.med.
26 no.10:119-123 O '62. (MIRA 15:12)

1. Iz kafedry infektsionnykh bolezney (zav. - prof. P.I.Strelov)
Leningradskogo instituta usovershenstvovaniya vrachey.
(HEPATITIS, INFECTIOUS) (COPPER IN THE BODY)

ACC NR: AP6006522

(A,N)

SOURCE CODE: UR/0375/65/000/011/0032/0037

AUTHOR: Zhernenko, A. S. (Engineer, Captain 2d rank; Candidate of Technical Sciences)

ORG: None

TITLE: Statistical probability modelling of random processes

SOURCE: Morskoy sbornik, no. 11, 1965, 32-37

TOPIC TAGS: mathematic model, probability, correlation statistics, scientific research, military tactic, random process, random noise, target seeker, electronic computer, computer application

ABSTRACT: Operational and tactical calculations, as well as scientific and technical investigations, often involve consideration of random phenomena and processes which can be characterized by statistical parameters calculated as averages of observed (selected) values. The statistical probability modelling method for random processes suggested uses the Monte Carlo method as its mathematical base, and the article proceeds to describe its application to two practical examples, one of which is the calculation of the process involved in a missile closing a target; the other reproducing an actual noise process in accordance with the normal distribution law. The mathematical method described involves the use of an electronic computer to obtain the statistical evaluation of characteristics with required accuracy and to reproduce

Card 1/2

L 10909-67

ACC NR:AP6006522

the probability models of the subjects under investigation using experimental data based on distribution laws and correlated ties in the elements of those subjects, without waiting for the development of an analytical theory and the disclosure of the physical content of those subjects. Orig. art. has: 8 formulas and 1 figure.

SUB CODE: 12, 20/SUBM DATE: None/ORIG REF: 006

b7c
Card 2/2

LEVE, Ye.N.; MIN'KOV, D.B.; ZHERNEVSKIY, I.A.

Manufacture of magnesia-concrete blocks on a 5000-ton hydraulic press. Ogneupory 29 no.1:12-13 '64. (MIRA 17:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov (for Leve). 2. Podol'skiy zavod ogneupornykh izdeliy (for Min'kov, Zhernevskiy).

ZHERNOKOVA, S. A., vrach

Injury to the eyes during the observation of the solar eclipse
on February 15, 1961. Oft. zhur. 17 no.4:248-249 '62.
(MIRA 15:7)

1. Iz kafedry glaznykh bolezney (zav. - prof. A. M. Rodigina)
L'vovskogo meditsinskogo instituta.

(RETINA—WOUNDS AND INJURIES)

ZHERNAKOVA, V.N.; ZAYTSEV, N.T.

Searching new compounds for processing the cross-cut ends of
hardwood assortments having insufficient floatability. Nauch.
trudy LTA no.96:19-24 '61. (MIRA 17:3)

ZHERENKO, A.S., kand.tekhn.nauk, inzhener-kapitan 2-go ranga

Statistico-probability modeling of random processes.
Mor. sbor. 49 no.11:32-37 N '65.

(MIRA 18:12)

ZHERNOSEK, I., kand.voyennyykh nauk, polkovnik; VARAKIN, N., podpolkovnik

Develop military science among troops more broadly. Ty. i snab.
Sov. Voor. Sil 21 no.9:12-16 S '61. (MIRA 14:12)
(Military art and science--Study and teaching)

ZHERNOSEK, T."

ALIKAEVA, A. P. and ZHERNOSEK, T. P., Post-Graduate Student
All-Union Inst. of Experimental Veterinary Medicine
"Accelerated method of typing tuberculosis cultures."
SO: Vet. 27 (4) 1950, p. 56

1. ZHENOSEK, T.P. (*Aspirant*)
 2. USSR (600)
 4. Foot-And-Mouth Disease
 7. Vaccination reaction and immunity with aluminum hydroxide hoof-and-mouth vaccine. (Pathologoanatomical examination.) Trudy Vses.inst.eksp.vet., 19, Nol, 1952
-
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

ZHERNOSEKOV, L.V.

Forty years in track maintenance. Put' i put. khoz. no. 8:44
Ag '58. (MIRA 11:8)

1. Zamestitel' nachal'nika distantsii g. Vologda,
(Railroads--Track)

ZHERNOSEKOV, L.V.

Crew leader Anatolii Kheinovich Tutiarvi. Put' i put. khos.
no.3:12 Mr '59. (MIRA 12:6)

1.Nachal'nik distantsii stantsiya Vologda Severnoy dorogi.
(Tutiarvi, Anatolii Kheinovich)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3

KAGAN, Yu.: 2HPBNNOV, I.,

Anharmonicity effect on the phonon spectrum near the degeneration point. Zhur. eksp. i teor. fiz. 48 no.3:971-974 Mr '65.
(MIRA 18:6)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064720007-3"

L 36385-66 EWT(1) IJP(c)
ACC NR: AF6014052

SOURCE CODE: UR/0056/66/050/004/1107/1123

AUTHOR: Kagan, Yu.; Zhernov, A. P.

ORG: none

TITLE: Theory of the electric conductivity of metals with nonmagnetic impurities

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 50, no. 4, 1966,
1107-1123

TOPIC TAGS: electric conductivity, atom, electron scattering, phonon spectrum,
temperature dependence, metal impurity, impurity scattering

ABSTRACT: A theory is developed for the electric conductivity of metals with impurities. It consistently takes into account the deformation of the phonon spectrum occurring with the introduction of impurity atoms and also the arbitrary variations in the electron scattering amplitude on a separate ion. The impurity part of the resistance for the complete temperature range, the electron scattering on an impurity ion and on a perturbed phonon spectrum leads to the term \sqrt{T}^2 . Interference between scattering on an impurity resistance produces a number of anomalies, especially in the case of heavy impurity atoms when a quasi-local level appears. At high temperatures, the impurity

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ACC NR: AP6014052

part of the resistance was found to vary linearly with temperature. The sign of the derivative is arbitrary. It was shown that a simple relationship holds approximately between the sign of the derivative and the relative position of the impurity atoms and the matrix atoms in the periodic system. Comparison yields qualitative agreement of experimental data with theory. Orig. art. has 4 figures and 13 formulas. [Based on authors' abstract.]

[NT]

SUB CODE: 20/ SUBM DATE: 15Nov65/ ORIG REF: 008/ OTH REF: 017

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Card 2/2